

rasogum +
04/21 251



RASOGUM +

Ready to use waterproofing paste in watery dispersion.

**waterproofing
products**

TECHNOKOLLA®





5-35°C

Brush/
Smooth trowel/
Roller

rasogum +



APPEARANCE

Viscous paste in white or manhattan colours

STORAGE

12 months in dry place, protected from frost



FIELDS OF USE

- Waterproofing indoor plastered surfaces, gypsum or plasterboard panels and screeds on walls and floors prior to fixing tiles in bathrooms, showers or very damp places.
- Coating for preventing cracks from forming in vertical surfaces both indoors.
- For single-coat application as adhesion-promoting primer on the remains of old vinyl or polyurethane adhesives prior to glueing tiles on indoor surfaces using cement-based adhesives (carry out an adhesion test).
- Coating for preventing cracks in indoor substrates where small cracks (<1 mm) are liable to form, prior to laying ceramic tiles or natural stone materials.

SUBSTRATES

Cement-based plaster⁽²⁾, cement-lime mortar⁽²⁾, concrete⁽²⁾, cement-based screeds⁽²⁾, screeds in anhydrite⁽²⁾, gypsum⁽²⁾, plasterboard⁽²⁾, old tiles⁽¹⁾.

TYPE OF PRIMER	TYPE OF APPLICATION	CONSUMPTION (g/m ²)	DRYING TIME
(1) PRIMER-101 PLUS	brush or roller	100-150	1-3 h (dry to the touch)
(2) PRIMER-T PLUS	brush or roller	150-200	2h (dry to the touch)

NATURE OF THE PRODUCT

RASOGUM + contains organic copolymers in watery dispersion and specific additives. For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.

CONSUMPTION

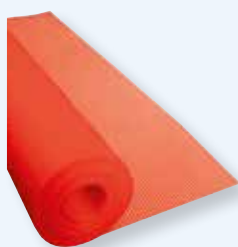
1.4-1.5 kg/m² per mm of thickness



RECOMMENDED ACCESSORIES



Smooth stainless steel trowel



437094
RASOLASTIK NET



437299
Strip RL 80 S



437337
Strip RL 120

OPERATIONS PRIOR TO APPLICATION

It is very important to make sure that there is no rising damp in the walls or screeds. In this case, RASOGUM + can only be applied after the cause has been eliminated and when the saline bloom has been removed from the surface.

SUBSTRATE	MINIMUM TIME INTERVAL PRIOR TO APPLICATION	MAX RESIDUE HUMIDITY %
KRONOS screeds	5 days	6
Cement-based screeds	28 days	6
Cement-based plaster	3 weeks	5
Concrete	3 months	5

If substrate is new, it is very important to know exactly how it has been weathered and the degree of humidity. The more frequent cases with their relative ageing periods are listed in the table below. When the number of days and the humidity rate are both indicated, remember that both conditions must be complied with. On cured but wet substrates, wait until its humidity rate has returned to within the value given in the table.

HOW TO PREPARE SUBSTRATES FOR WATERPROOFING

The substrate must be sound, clean, dry and free from all contaminants such as dust, dirt, oil, grease, cement laitance, previous coatings and other surface treatments that could cause poor adhesion. Cementitious substrates shall be prepared mechanically using suitable equipment to remove cement laitance and achieve an open textured surface profile. Surface treatments or any "friable" areas of the substrate must be mechanically removed and the substrate repaired with levelling compounds. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum cleaning equipment. Once the support has been correctly prepared first apply adhesive sealing strip RL 120 in all the "wall/floor" and "wall/wall" corners. Sealing strip RL 80 S must also be applied on a level with all technical service points, such as: drains, delivery ports, etc.

HOW TO PREPARE THE MIXTURE

After brief stirring, the product is ready for use.

APPLICATION

Apply product with a smooth steel trowel, brush or short-fleeced roller. Make sure that product makes perfect contact with the substrate and that this latter slopes correctly to prevent water from stagnating. Apply RASOGUM + in two coats, the second 2-3 h after the first. Bury RASOLASTIK NET in the first coat when using RASOGUM + to prevent cracks from forming. The overall thickness of the two coats of dry product must be at least 1 mm.

WARNINGS AND RECOMMENDATIONS

- substrates waterproofed with RASOGUM + must slope to a suitable degree to allow water to flow off
- do not use on substrates subject to rising damp
- do not use in places constantly immersed in water, such as tanks or swimming pools. Use RASOLASTIK-PLUS or RASOLASTIK EVO
- product is not treadable if left exposed
- do not add anything to the product that is not specified in this data sheet

rasogum +

TECHNICAL DATA	VALUE	STANDARD
Appearance	Viscous paste	
Colour	White - Manhattan	
pH	~ 8.5	
Brookfield viscosity (impeller rv6-5 rpm)	~ 130,000 cps	
Weight density	~ 1.45 gr/cm ³	
Maximum thickness per coat	1 mm	
Minimum thickness of dry film	1 mm	
Waiting time between the two coats	2-3 h	
Complete setting	7 days	
Can be tiled after	*24-48 h	
Temperature during application	min. +5°C, max +35°C	
Thermal resistance	from -30°C to +80°C	
ADHESION VALUES		
Initial tensile adhesion strength	~ 2,0 N/mm ²	EN 14891: 2012/AC:2012
Tensile adhesion strength after water immersion	~ 1,5 N/mm ²	EN 14891: 2012/AC:2012
Tensile adhesion strength after heat ageing action	~ 2,5 N/mm ²	EN 14891: 2012/AC:2012
Water tightness	no penetration	EN 14891: 2012/AC:2012
Elongation		
Ultimate elongation	~ 400%	ISO37

* these times refer to a temperature of 23°C-50% R.H.. They are shorter at higher temperatures and longer at lower temperatures.

SPECIFICATION

The waterproofing layer must be formed by monocomponent, elastic, liquid sheath such as TECHNOKOLLA's RASOGUM +, applied in two coats.

Technokolla reminds you to examine the “**notes**” document that completes the information in this data sheet. The document can be downloaded in the pdf format from the website www.technokolla.com.

The advice about technical matters in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, is the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.



Sika Italia S.p.A.

Registered Office and Administrative Headquarters: Via L. Einaudi 6,
20068 Peschiera Borromeo (MI)

Sassuolo Plant (MO): Via Radici in Piano 558, Postal Code 41049

Tel: +39 0536 809711 Fax: +39 0536 809729 www.technokolla.com